

so that the each key for the entries in the indices does not contradict with the sorting order while the records containing the address values corresponding to the entries are updated.

7. The data management method according to claim 4 further comprising changing an order of the entries according to need so that the each key for the entries in the indices does not contradict with the sorting order while the contents of the storage regions designated by the address values are updated.

8. The data management method according to claim 2 further comprising retrieving indices with specified keys.

9. The data management method according to claim 8 further comprising determining storage regions containing designated contents and retrieving indices corresponding to the determined storage regions.

10. The data management method according to claim 8 further comprising retrieving further indices corresponding to storage regions designated by other address values contained in records that contain address values corresponding to entries obtained by the preceding retrieval on other indices.

11. A computer readable storage medium containing executable data management program instructions for:

assigning different indices to each of plurality of storage regions that are discriminated from each other by their addresses;

forming entries corresponding to records containing address values to the storage regions so that the entries and the address values contained have one-to-one correspondence; and

registering the entries in the indices assigned to the storage regions that are designated by the address values corresponding to the entries.

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18. The storage medium according to claim 12 including the

instruction for retrieving indices with specified keys.

19. The storage medium according to claim 18 including the instructions for determining storage regions containing designated contents and retrieving indices corresponding to the determined storage regions.

20. The data management method according to claim 18 including the instruction for retrieving further indices corresponding to storage regions designated by other address values contained in records that contain address values corresponding to entries obtained by the preceding retrieval on other indices.

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